

Rubric for Module 5 Challenge:

	Proficiency 35 to > 31 points	Approaching Proficiency 31 to > 27 points	Developing Proficiency 27 to > 24 points	Emerging 24 to > 0 points	Incomplete
Deliverable 1: A ride-sharing summary DataFrame by city type	<ul style="list-style-type: none"> The total rides, total drivers, or sum of the fares are correctly retrieved. (15 pt) The average fare per ride for each city type is correctly calculated. (5 pt) The average fare per driver for each city type is correctly calculated. (5 pt). A summary DataFrame is created and all the columns are correct. (5 pt) All FIVE columns of the summary DataFrame are correctly formatted (5 pt) 	<p>TWO of the THREE following data points are correctly retrieved:</p> <ul style="list-style-type: none"> The total rides, total drivers, or sum of the fares. (10 pt) <p>AND:</p> <ul style="list-style-type: none"> Code is written to retrieve the remaining data points for each city type but with one minor error. (4 pt) The average fare per ride OR per driver for each city type is correctly calculated and the other is incorrect. (8-9 pt). A summary DataFrame is created but only THREE to FOUR of the columns are correct. (4 pt) • THREE to FOUR of the columns of the DataFrame are correctly formatted (4 pt) 	<p>TWO of the THREE following data points are correctly retrieved:</p> <ul style="list-style-type: none"> The total rides, total drivers, or sum of the fares. (10 pt) <p>AND:</p> <ul style="list-style-type: none"> Code is written to retrieve the remaining data points for each city type but with one minor error. (4 pt) Code is written to calculate the average fare per ride for each city type but with one minor error. (3 pt) Code is written to calculate the average fare per driver for each city type but with one minor error. (3 pt). A summary DataFrame is created but only TWO to THREE of the columns are correct. (3 pt) TWO to THREE of the columns of the DataFrame are correctly formatted (4 pt) 	<p>ONE of the THREE following data points are correctly retrieved:</p> <ul style="list-style-type: none"> The total rides, total drivers, or sum of the fares. (5 pt) <p>AND:</p> <ul style="list-style-type: none"> Code is written to retrieve the other TWO data points for each city type but with minor errors. (7 pt) Code is written to calculate the average fare per ride for each city type but with one minor error. (3 pt) Code is written to calculate the average fare per driver for each city type but with one minor error. (3 pt). A summary DataFrame is created but only ONE to TWO of the columns are correct. (3 pt) ONE to TWO of the columns of the DataFrame are correctly formatted (3 pt) 	<p>No submission was received</p> <p>-OR-</p> <p>Submission was empty or blank</p> <p>-OR-</p> <p>Submission contains evidence of academic dishonesty</p>
	Proficiency 45 to > 42 points	Approaching Proficiency 42 to > 39 points	Developing Proficiency 39 to > 35 points	Emerging 34 to > 0 points	
Deliverable 2: A multiple-line chart of total fares for each city type	<ul style="list-style-type: none"> A DataFrame was created using the groupby() function on the "type" and "date" columns, and the sum() method is applied on the "fare" column. (10 pt) A DataFrame was created using the pivot() function 	<ul style="list-style-type: none"> A DataFrame was created using the groupby() function on the "type" and "date" columns, and the sum() method is applied on the "fare" column. (10 pt) A DataFrame was created using the pivot() function 	<ul style="list-style-type: none"> A DataFrame was created using the groupby() function on the "type" and "date" columns, and the sum() method is applied on the "fare" column. (10 pt) A DataFrame was created using the pivot() function 	<ul style="list-style-type: none"> A DataFrame was created using the groupby() function on the "type" and "date" columns, and the sum() method is applied on the "fare" column. (10 pt) Code is written with a minor error to create a DataFrame 	

	<p>where the index is the “date”, the columns are the city “type”, and values are the “fare”. (10 pt)</p> <ul style="list-style-type: none"> • A DataFrame was created using the loc method on the date range indicated (5 pt) • A DataFrame was created using the resample() function in weekly bins and shows the sum of the fares for each week. (10 pt) • An annotated chart showing the total fares by city type is created and saved. (10 pt) 	<p>where the index is the “date”, the columns are the city “type”, and values are the “fare” (10 pt)</p> <ul style="list-style-type: none"> • A DataFrame was created using the loc method on the date range indicated. (5 pt) • A DataFrame was created using the resample() function in weekly bins and shows the sum of the fares for each week. (10 pt) • The chart may have multiple lines but not like the solution, but is annotated and saved. (7 pt) 	<p>where the index is the “date”, the columns are the city “type”, and values are the “fare”. (10 pt)</p> <ul style="list-style-type: none"> • A DataFrame was created using the loc method on the date range indicated. (5 pt) • Code is written to create a DataFrame using the resample() function in weekly bins, but the total fares aren’t retrieved correctly. (7 pt) • The chart may have multiple lines but not like the solution, but is annotated and saved. (7 pt) 	<p>using the pivot() function where the index is the “date” and each column has the city “type”, (7 pt)</p> <ul style="list-style-type: none"> • A DataFrame was created using the loc method on the date range indicated. (5 pt) • Code is written to create a DataFrame using the resample() function in weekly bins, but the total fares aren’t retrieved correctly. (7 pt) • The chart doesn’t have multiple lines but is annotated and saved. (5 pt) 	
	Proficiency 6 points	Approaching Proficiency 5 to > 4 points	Developing Proficiency 4 to > 3 points	Emerging 3 to > 0 points	
Deliverable 3: Structure, Organization, and Formatting	<p>The written analysis has ALL of the following:</p> <ul style="list-style-type: none"> • There is a title, and there are multiple sections. (2 pt) • Each section has a heading and subheading. (2 pt) • There are images which are formatted and displayed correctly. (2 pt) 	<p>The written analysis has ALL of the following:</p> <ul style="list-style-type: none"> • There is a title, and there are multiple sections. (2 pt) • Each section has a heading and subheading. (2 pt) • There are images which are formatted and displayed correctly with one or two minor errors. (1 pt) 	<p>The written analysis has ALL of the following:</p> <ul style="list-style-type: none"> • There is a title, and there are multiple sections. (2 pt) <p>AND ONE of the following:</p> <ul style="list-style-type: none"> • Each section may have a heading and subheading. (2 pt) • There are images which are formatted and displayed correctly with one or two minor errors. (1 pt) 	<p>The written analysis has ALL of the following:</p> <ul style="list-style-type: none"> • There is a title. (1 pt) • There may be a subheading for a section. (1 pt) • There are no headings for each section, but there are three sections. (1 pt) 	
	Proficiency 14 to > 11 points	Approaching Proficiency 11 to > 10 points	Developing Proficiency 9 to > 8 points	Emerging 8 to > 0 points	
Deliverable 3: Analysis	<ul style="list-style-type: none"> • The purpose and background are well defined (3 pt). • There is a description of the differences in the ride-sharing 	<ul style="list-style-type: none"> • The purpose and background are well defined (3 pt). • There is a description of the differences in the ride-sharing 	<ul style="list-style-type: none"> • The purpose and background are well defined (3 pt). • There is a description of the differences in the ride-sharing 	<ul style="list-style-type: none"> • The purpose and background are well defined (3 pt). • There is a description of the differences in the ride-sharing 	

	<p>data for ALL SIX metrics by city type. (7 pt)</p> <ul style="list-style-type: none">• There is a statement summarizing THREE business recommendations addressing disparities among the city types. (4 pt).	<p>data for FOUR to FIVE of the SIX metrics by city type. (5 pt)</p> <ul style="list-style-type: none">• There is a statement summarizing TWO business recommendations addressing disparities among the city types. (3 pt).	<p>data for TWO to THREE of the SIX metrics by city type. (4 pt)</p> <ul style="list-style-type: none">• There is a statement summarizing ONE business recommendation addressing disparities among the city types. (2 pt).	<p>data for ONE to TWO of the SIX metrics by city type. (3 pt)</p> <ul style="list-style-type: none">• The summary does not adequately address business recommendations addressing disparities among the city types.(1-2 pt)	
--	---	---	--	--	--